

# A Rubric to Evaluate Core Data Management Plan Components



**DART**  
PROJECT

Data management plans as **A** Research **T**ool  
<http://bit.ly/dmpresearch>  
 @DMPResearch

## The Project

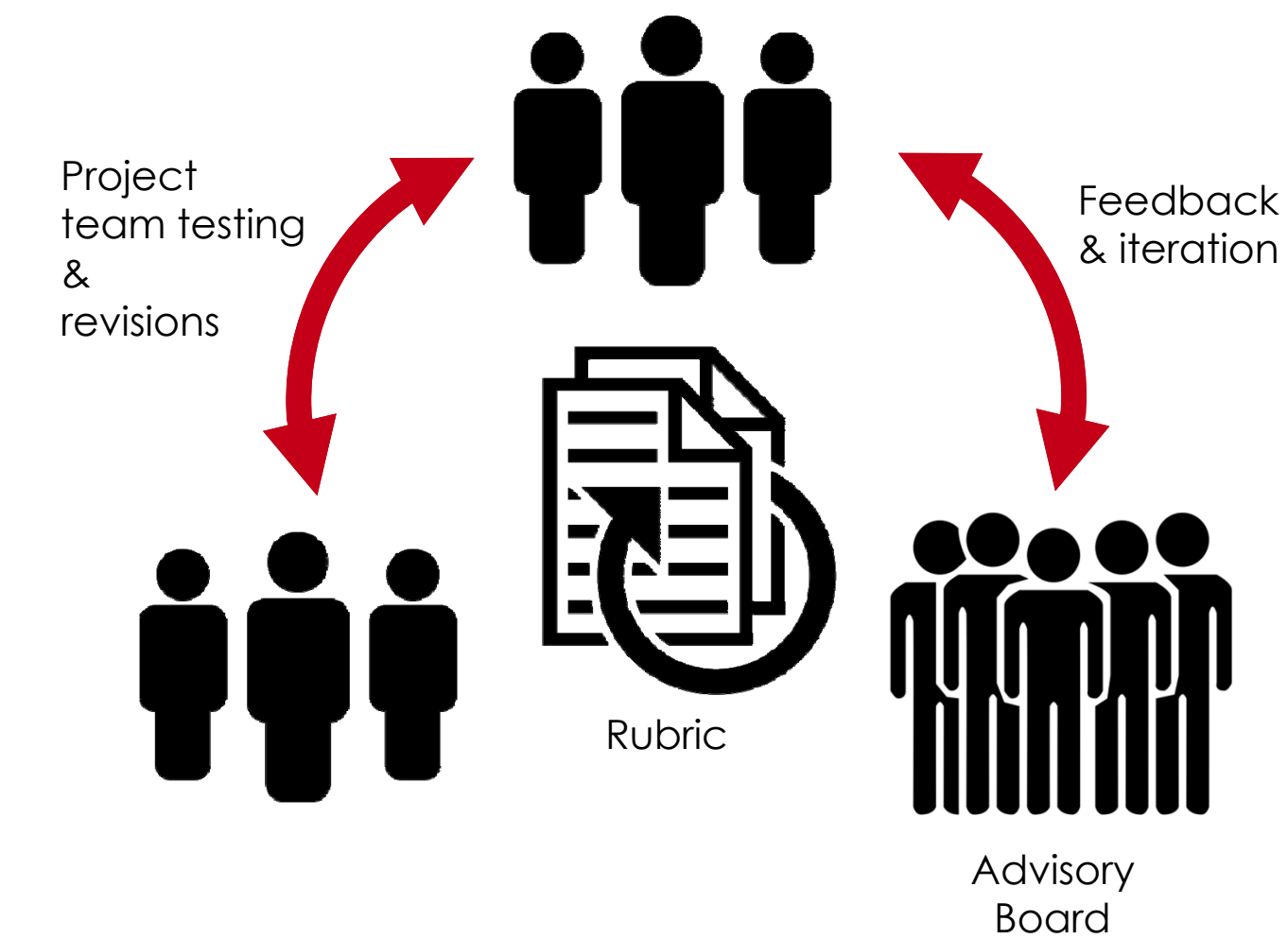
A multi-institutional project to develop and use an analytic rubric to evaluate data management plans that have been submitted to the National Science Foundation (NSF) at five academic research institutions.

## Outputs

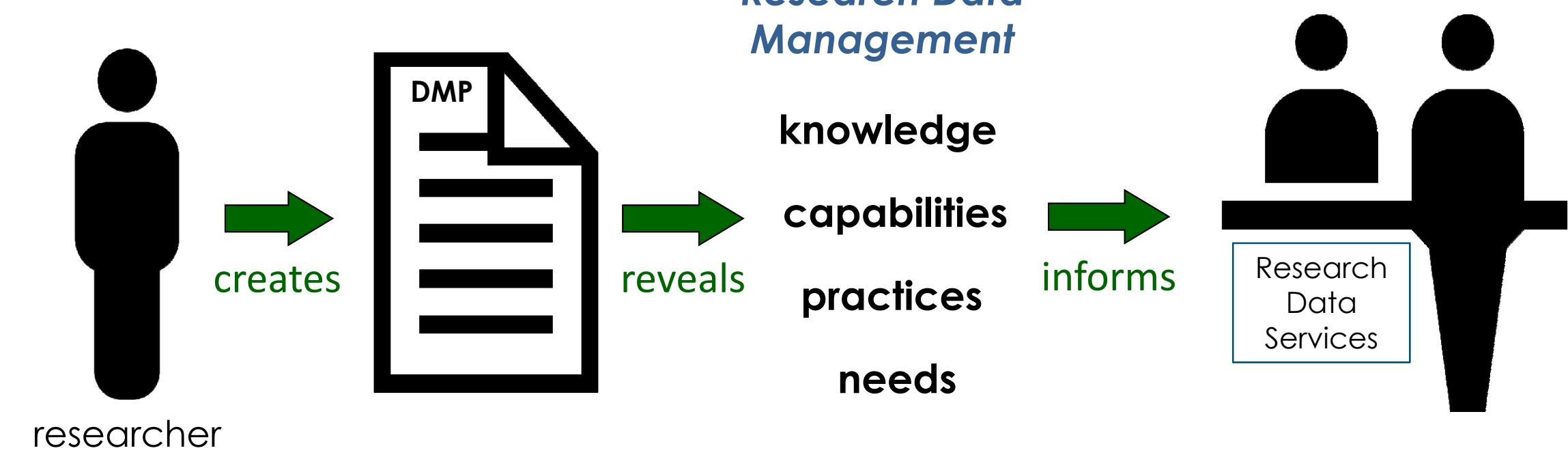
- 1) An **analytic rubric** to standardize the review of data management plans as a means to inform research data services at academic institutions and other research organizations.
- 2) A study utilizing the rubric that presents the results of **data management plan analyses** at five universities.

## Project Phases

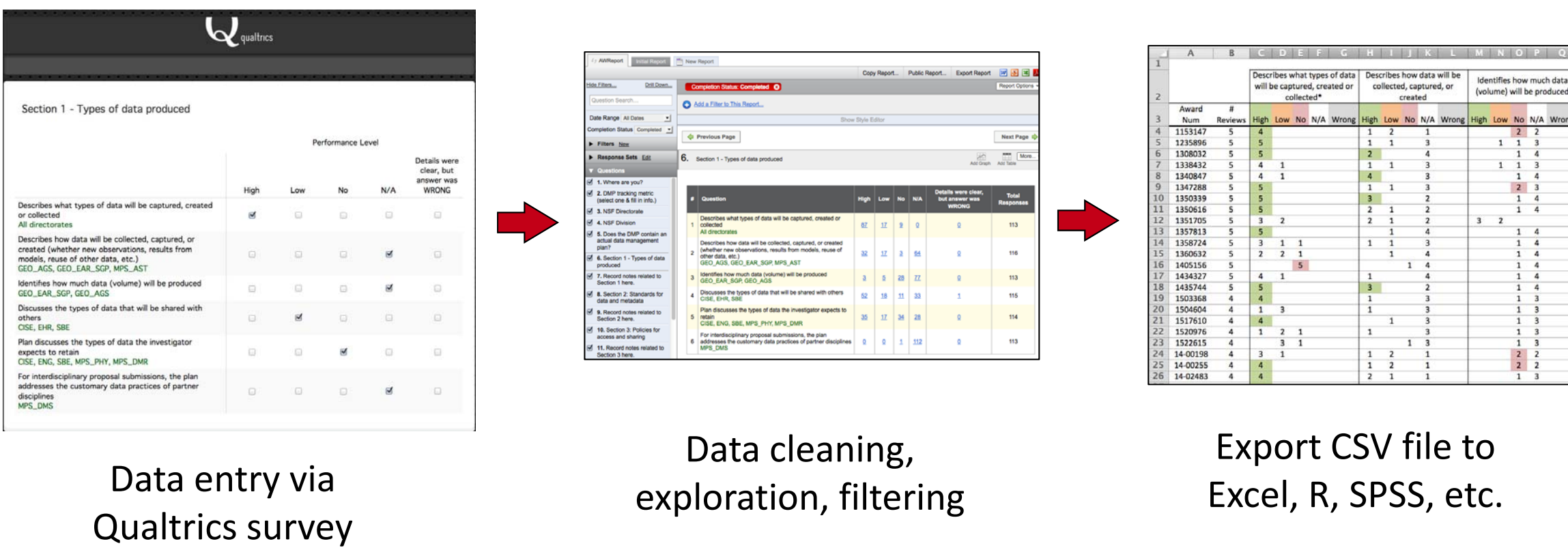
- 1) Acquire access to DMPs
- 2) Prototype, test and refine analytic rubric
- 3) Use rubric to analyze DMPs at 5 research intensive US universities
- 4) Share results of analyses and apply to research services and infrastructure
- 5) Finalize & share rubric



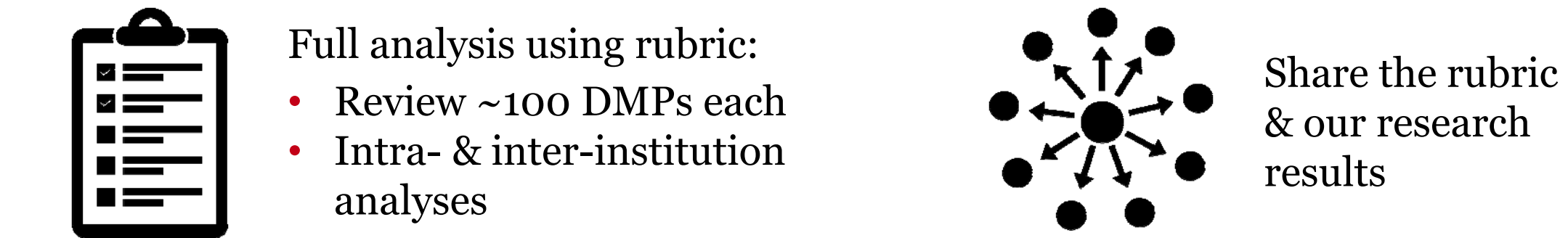
## Premise



## Current Workflow



## What's Next?



This project was made possible in part by the Institute of Museum & Library Services grant number LG-07-13-0328.

## Project Team

**Amanda L. Whitmire** — Oregon State University Libraries  
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## The Rubric

A rubric is a descriptive scoring tool. An analytic rubric collects detailed information about sub-components of the work being assessed, through independent evaluation of various criteria. Excerpts of two sections of the rubric are shown below (*please note*: this is not the finalized rubric, and display logic controls the question displayed based on the NSF directorate and division of the DMP).

### Q12. Section 3: Policies for access and sharing

	Performance Level		
	Complete / detailed	Addressed issue, but incomplete	Did not address the issue
Provides details on <b>when</b> the data will be made publicly available <i>All directorates</i>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Describes <b>how</b> the data will be made publicly available <i>All directorates</i>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describes <b>security</b> measures that will be in place to protect the data from unauthorized access <i>All directorates</i>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Describes <b>how long</b> the data will be retained and made available to people outside of the project <i>CISE, EHR; ENG GEO AGS; MPS AST; MPS PHY; SBE</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Describes <b>data types or formats</b> that will be used for making data available. <i>CISE; ENG; EHR; SBE; BIO; GEO OCE; GEO EAR SGP; GEO AGS; MPS AST; MPS CHE</i>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Q13. Section 3: Policies for access and sharing

	Performance Level			
	Complete / detailed	Addressed issue, but incomplete	Did not address the issue	N/A Select N/A if this statement is not relevant to the DMP
IF there are <b>factors that limit the ability to share</b> data, e.g. commercialization or proprietary nature of the data, plan describes those conditions and describes to whom the data will be made available and under what conditions <i>EHR; ENG; GEO AGS; GEO OCE</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IF data are submitted to supplementary materials sections of peer-reviewed <b>journals</b> , describes plans to do so <i>MPS CHE</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
IF the data are deemed to be of a "sensitive" nature, describes what protections will be put into place to <b>protect privacy or confidentiality</b> of research subjects <i>All directorates</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
IF project personnel plans to retain IP, describes what <b>intellectual property rights</b> to the data and supporting materials will be given to the public and which will be retained by project personnel (if any) <i>All directorates</i>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>